

CLAIMS

1. A device for simultaneously reflecting and detecting electromagnetic radiation, comprising

a first layer made from electrically conductive material for simultaneously reflecting and absorbing electromagnetic radiation incident at a surface of the layer, wherein said first layer simultaneously separates incident electromagnetic radiation into a reflected part and an unreflected part, the first layer being effective to reflect the electromagnetic radiation of said reflected part away from the device and to absorb the electromagnetic radiation of the unreflected part,

a second layer underlying said first layer, made from a material having an electrical property dependent on an intensity of electromagnetic radiation absorbed by said first layer, and

a third layer underlying said second layer, made from electrically conductive material, wherein said first layer and said second layer form a first electrode and a second electrode respectively and electrical voltage and/or current measured between the electrodes is responsive to said electrical property and indicative of the intensity of the absorbed electromagnetic radiation.

2. A device according to claim 1, wherein said surface of said first layer is a specularly reflective surface.